

ABSTRACT

A vehicle is disclosed which includes a chassis and a body pivotally secured to the chassis at a hinge. A hoist system is provided which extends between the body and the chassis for pivoting the body about the hinge between a storage position and a range of dumping positions. The hoist system includes a ball screw actuator, a trunion, and a push arm. The ball screw actuator is pivotally mounted to a frame member of the chassis and to the trunion, which in turn is mounted to the frame member. The push arm is pivotally mounted to the trunion and to the body.